**Resistors Color Code Activity Answer Key**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Fill in the lines with the correct value of each resistor. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Red, Brown, Black, No Band | **2\_\_\_\_\_\_, 1\_\_\_\_\_\_, none\_\_\_, \_20%\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | **(21 ohms +/- 4.2 or 16.8-25.2)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Yellow, Red, Brown, Gold | **4\_\_\_\_\_\_, 2\_\_\_\_\_\_, 0\_\_\_\_\_\_, 5% \_ \_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
|  |  | **(420 ohms +/- 21 or 399-441)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Blue, Red, Red, Silver | **6\_\_\_\_\_\_, 2\_\_\_\_\_\_, 00\_\_\_\_\_, 10% \_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |
|  |  | **(6200 ohms +/- 620 or 5580-6820)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Orange, Black, Black, Silver | **3\_\_\_\_\_\_, 0\_\_\_\_\_\_, none\_\_\_, 10%\_\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  | |  | |  |  |  |  |  |  | | |  |  |
|  |  | **(30 ohms +/- 3 or 27-33)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Red, Yellow, Orange, No Band | **2\_\_\_\_\_\_, 4\_\_\_\_\_\_, 000\_\_\_\_, 20%\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  |  | | |  |  | |  |  |  |  |  |  |  |  |  | |  | |  |  |  |  |  |  | | |  |  |
|  |  | **(24000 ohms +/- 4800 or 19200-28800)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Red, Violet, Brown, Silver | **2\_\_\_\_\_\_, 7\_\_\_\_\_\_, 0\_\_\_\_\_\_, 10% \_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  |  | | |  |  | |  |  |  |  |  |  |  |  |  | |  | | |  |  |  |  |  | | |  |  |
|  |  | **(270 ohms +/- 27 or 243-297)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Orange, White, Black, No Band | **3\_\_\_\_\_\_, 9\_\_\_\_\_\_, none\_\_\_, 20%\_\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  |  | | | |  | |  |  |  | |  |  |  |  | | | | | |  |  |  |  | | | |  | |
|  |  | **(39 ohms +/- 7.8 or 31.2-46.8)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | Green, Blue, Orange, Gold | **5\_\_\_\_\_\_, 6\_\_\_\_\_\_, 000\_\_\_\_, 5%\_\_\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  |  | | | |  | |  |  | | |  | |  |  | | | | | | |  |  |  | | | |  | |
|  |  | **(56000 ohms +/- 2800 or 53200-58800)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | Red, Red, Red, Gold | **2\_\_\_\_\_\_, 2\_\_\_\_\_\_, 00\_\_\_\_\_, 5%\_\_\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  |  | | | |  | |  |  | | |  | |  |  | | | | | | |  |  |  | | | |  | |
|  |  | **(2200 ohms +/- 110 or 2090-2310)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | Gray, Green, Yellow, No Band | **8\_\_\_\_\_\_, 5\_\_\_\_\_\_, 0000\_\_\_, 20%\_\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | | | | |  | |  | | | |  | |  | | | | | | | |  |  | | | | |  | |
|  |  | **(850,000 ohms +/- 170,000 or** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | **680,000-1,020,000)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |